

### 3. DISINFECTION SYSTEMS

#### Applications:

- Treated residual water, with turbidity or colour, disinfection for pathogens germs elimination, keeping the water quality inside the tank, according to the RD 1620/2007 norm.
- Application: the water can be reuse for different use like garden or golf course watering, sanitary reload, vehicle cleaning, etc.

#### Characteristics:

- Compact equipment for water reuse, in accordance with the R.D. 1620/2007 norm.
- HYPOCHLORITE DISINFECTION SYSTEM:
  - Possible assembly on the PEHD structure with accessories according to the configuration: protection filter, probe, probe-holder, flow adjustment valve, hydraulic power supply pipe, supply point valve.
  - Interconnected elements, structure assembly with other tertiary treatment elements or independently supplied.
  - Regulation system and chlorine control by means of:
    - Flow measures pumps proportionally to the free chlorine or redox average ( it's possible to include a chlorine/redox/pH regulator)
    - Redox/free chlorine/pH display regulator.
    - Redox probe or potentiometric probe.
    - Equipment for pH control and measure. pH probe.
  - 220 V electric power supply equipment. IP 54 protection. Work temperature: 0 to 45°C.
- DISINFECTION SYSTEM BY ULTRAVIOLET RADIATION.
  - Possible assembly on a structure.
  - Radiation chamber in AISI 304 and AISI 316 stainless steel.
  - Manual or automatic cleaning.
  - Electronic control module with visual and acoustic alarm in case of light failure. Counter and light substitution alarm.
  - Optional: UV intensity sensor incorporation.

### 3.1 HYPOCHLORITE DISINFECTION SYSTEMS

#### 3.1.1. FREE CHLORINE STATION

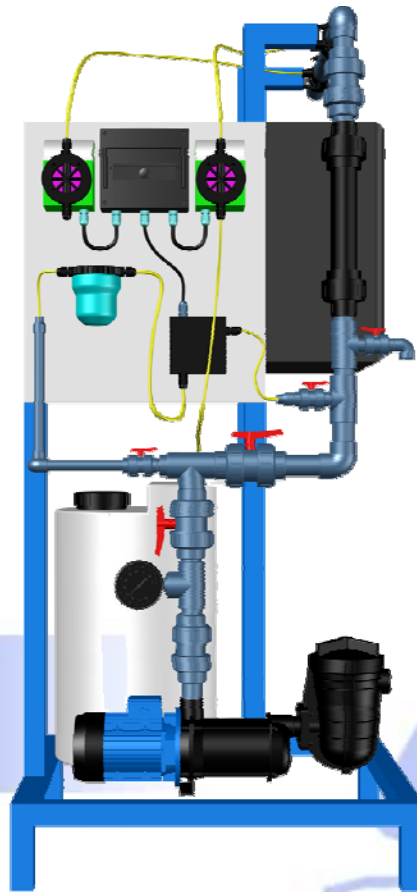
##### REF: SAL-CL

Automatic chlorine station for drinking water tank (legionellosis proliferation prevention), composed of:

- Compact portable structure, Salher brand, with hydraulic and electric interconnections:
  - 1 amperometric / potentiometric probe for free chlorine measurement, mounted on support with sensor and flow regulator
  - 1 free chlorine digital regulator
  - 1 dosing pump with level probe inlet, included: level probe, accessories kit and disinfectants agents storage tank.
  - 1 cartridge filter of 100 micron and 1 activated carbon filter.
  - 1 recirculation pump (submerged or above-ground) with prefilter, level system, shutoff and regulation valve.
  - 1 mounting panel.
  - 1 panel board.
  - 1 flowmeter.
  - 1 mobil photometer for equipment calibration (chlorine, pH and alkalinity measurement).
  - Accessories kit: pressure gauge, sample point valve.

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REF.	STRUCTURE DIMENSIONS (AxLxH)	STRUCTURE WEIGHT (Kg)	WATER TANK CAPACITY* (m <sup>3</sup> )
SAL-RX -10-SUP	1.0 X 1.0 X 1.80	55	10.0
SAL-RX -25- SUP	1.0 X 1.0 X 1.80	55	25.0
SAL-RX -50-SUP	1.0 X 1.0 X 1.80	55	50.0
SAL-RX -100- SUP	1.0 X 1.0 X 1.80	55	100.0
SAL-RX -10- ENT	1.0 X 1.0 X 1.80	55	10.0
SAL-RX -25- ENT	1.0 X 1.0 X 1.80	55	25.0
SAL-RX -50- ENT	1.0 X 1.0 X 1.80	55	50.0
SAL-RX -100- ENT	1.0 X 1.0 X 1.80	55	100.0

\* Specific to keep the treated water in fire tanks.

Note: above or underground installation

Optional:

- Fire tanks / reuse water storage tank for above or underground installation.
- Mobil photometer (chlorine, pH and alkalinity measurement).